



**Prominent Indonesian
bank uses Thales
CipherTrust to protect
customer data and
keep compliance**

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Building a future we can all trust

Due to their highly confidential nature in an increasingly complicated cyber threat landscape, financial organizations often face strict regulatory compliance requirements. From phishing and ransomware, to mobile banking vulnerabilities, financial organizations must remain vigilant to safeguard their assets. The increased reliance on third-party vendors in recent times have further added to cybersecurity risks and organizations need to always been on high alert.

The Business Challenge

A large financial institution in Indonesia found that their private SSL key file was not adequately protected, leading them to fail an internal audit. If keys are compromised, entire critical banking application platforms could become vulnerable to attacks, causing a significant risk that could result in downtime and loss of customer trust. Against this backdrop, the organization looked to implement a well-known, tamper proof data security solution to improve their data security posture, and ultimately, secure the bank's reputation as a reliable institution that stakeholders can trust.

The Bank also has been hosted some of their applications up to some of the Public Cloud Providers that has Local Data center in Indonesia, however they would like to take control of the keys on their premise instead of on the Clouds to ensure the higher level of their keys storage and security.

The Solution

A long-time user of Thales' payment and general-purpose hardware security module (GP HSM), the bank already had exposure to Thales' expertise and capabilities. As such, they decided to turn to Thales to solve their present audit requirements. The bank implemented Thales CipherTrust Manager as a centralized Key Management platform to comply with National Standard Open API regulation. Prior to this, the organization evaluated an alternative solution but found that it did not meet the level of compliance that they required.

With CipherTrust Transparent Encryption, the bank was able to secure the SSL private key files, and the various major databases. This enables the bank to reduce the data breach risk as CipherTrust Transparent Encryption protects more than one sensitive folder or path. The protected path would therefore disallow any other service or user to view or access it, enabling maximum protection.

Thales' proven track record and longstanding reputation further sealed their decision. In addition, having the support from a local team with strong technical knowledge and understanding of the bank's business needs gives them the confidence knowing that their platform security is always kept to the highest standards.

The Results

With the implementation of CipherTrust Manager, CipherTrust Transparent Encryption, and CipherTrust Cloud Key Manager the bank was able to pass its internal audit as it consistently maintains high platform security standards, gaining the trust of its customers.

Leveraging Thales' trusted data security solutions, the bank is also better prepared for compliance testing with the Data Privacy Regulation, known as the Personal Data Protection (UU PDP) law by the Indonesian government. Issued in 2022, the law has a two-year transitional period from its enactment and full compliance will be required by 2024.

Product description

CipherTrust Manager

CipherTrust Manager offers industry leading enterprise key management that enables a large financial institution to centrally manage encryption keys, provide granular access control and configure security policies. It manages key lifecycle tasks with developer friendly REST API.

CipherTrust Manager is the central management point for the CipherTrust Data Security Platform that unifies data discovery and classification, keeping data secure to reduce risk across the business.

CipherTrust Transparent Encryption

CipherTrust Transparent Encryption is FIPS 140-2 compliant and delivers data-at-rest encryption with centralized key management, privileged user access control, and detailed data access audit logging. This helps organizations meet compliance and best practice requirements for maximum data protection.

CipherTrust Cloud Key Manager

Thales's Cloud Key Management solutions that enabled Customer to control their keys and thereby run more sensitive data and workloads in the cloud securely. Now encryption and key management in the cloud provide the same high-grade protections as if it were fully on-premises, enabling organizations of all types to reach new levels of efficiency and security.

About Thales

Today's businesses and governments depend on the cloud, data and software to deliver trusted digital services. That is why the most recognized brands and organizations around the world, rely on Thales to help them protect sensitive information and software wherever it is created, stored or accessed – from the cloud and data centers to devices and across networks. As the global leader in data security, identity & access management, and software licensing, our solutions enable organizations to move to the cloud securely, achieve compliance with confidence, create more value from their software and deliver seamless digital experiences for millions of consumers every day.